こくりかり

RAW SEQUENCE LISTING DATE: 01/14/2002 PATENT APPLICATION: US/09/972,912 TIME: 09:53:02

Input Set : N:\Crf3\RULE60\09972912.raw
Output Set: N:\CRF3\01142002\1972912.raw

SEQUENCE LISTING

```
3 (1) GENERAL INFORMATION:
             (i) APPLICANT: SOPPET, DANIEL R.
                            RUBEN, STEVEN M.
     6
            (ii) TITLE OF INVENTION: CARDIAC AND PANCREATIC PROTEIN AND GENE
     8
           (iii) NUMBER OF SEQUENCES: 42
     10
            (iv) CORRESPONDENCE ADDRESS:
     12
                  (A) ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
     13
                  (B) STREET: 1100 NEW YORK AVENUE, SUITE 600
     14
                  (C) CITY: WASHINGTON
     15
                  (D) STATE: DC
     16
                  (E) COUNTRY: US
     17
                                                               (F) ZIP: 20005-3934
     18
             (V) COMPUTER READABLE FORM:
     20
                  (A) MEDIUM TYPE: Floppy disk
     21
                  (B) COMPUTER: IBM PC compatible
     22
                  (C) OPERATING SYSTEM: PC-DOS/MS-DOS
     23
                  (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
     24
            (vi) CURRENT APPLICATION DATA:
     26
                  (A) APPLICATION NUMBER: US/09/972,912
C--> 27
                  (B) FILING DATE: 10-Oct-2001
C--> 28
                  (C) CLASSIFICATION:
     29
           (vii) PRIOR APPLICATION DATA:
     31
                  (A) APPLICATION NUMBER: 09/049,022
     32
                  (B) FILING DATE:
     33
     35
          (viii) ATTORNEY/AGENT INFORMATION:
                  (A) NAME: STEFFE, ERIC K.
     36
                  (B) REGISTRATION NUMBER: 36,688
     37
                  (C) REFERENCE/DOCKET NUMBER: 1488.0620001
     38
            (ix) TELECOMMUNICATION INFORMATION:
     40
                  (A) TELEPHONE: (202) 371-2600
     41
                  (B) TELEFAX: (202) 371-2540
     42
        (2) INFORMATION FOR SEQ ID NO: 1:
     45
             (i) SEQUENCE CHARACTERISTICS:
     47
                  (A) LENGTH: 2745 base pairs
     48
                  (B) TYPE: nucleic acid
     49
                  (C) STRANDEDNESS: double
     50
     51
                  (D) TOPOLOGY: linear
     53
            (ii) MOLECULE TYPE: DNA (genomic)
     56
            (ix) FEATURE:
     57
                  (A) NAME/KEY: CDS
                  (B) LOCATION: 233..1423
     58
     60
            (ix) FEATURE:
                  (A) NAME/KEY: sig_peptide
     61
                  (B) LOCATION: 233..328
     62
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(ix) FEATURE:

(A) NAME/KEY: mat_peptide

64

65

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Input Set : N:\Crf3\RULE60\09972912.raw
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	66) LO						D. NO	. 1.						
	69	(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1: GCAGCGGCAC GGCAGCAGCG GCAACAAGTG CCGGACTAGC AGAGCCAAGC CGGAGCAGTC														60		
	71	GCAG	CGGC.	AC G	GCAG	CAGC	G GC	AACA	AGIG aama	000	CCCC	CCC	CCCA	TCCA	שני נו מני מי	TCAC	CTGCG	
	73	CCTC	CCGC	CG A	CACC	GCCG	G GC	CGCC	NGCC	CGG	CCAC	CTC	CATC	TCCC	GC G.	יטאטי באיזירי	CTGCG	180
	75	GCGG	TCGC	CG G	GGCT	GAGC		GCGG	AGCG AGCT	CCG	CCCC	CAC	AACA	ተለውር። ጥለጥር።	AC AI	A TA	TCCCG	235
		CCCI	TGCC	CC C	:GCCC	CGCC	G AG	CTGG	AGCT	GCI	CCCG	GAC	AAGA	IAIG	AG A	Me		233
	78															- 3		
	79				ООТ	223	3.03	3 m 3	7 7 C	mm¢	mmC	ССТ	አጥሮ	СТС	ልጥር ነ			283
	81	AGT	GTT	GGA	CGT	CGA	AGA	AIA	AAG	TOU	Tou	Clar	Tlo	Tau 1	Mot 1	Met	Ala	200
		Ser	Val	GIY	Arg .	Arg	Arg	-25	гуѕ	ьец	Leu	Gly	-20	ncu .	rice i	.100		
M>	83		-30 GTC	mm a	y mm	m a m	un un un		አጥር	CAA	GTC	тсс		AGC	AGT A	AGC	CAA	331
	85	AAT	Val	TTC	ATT	TAI	Dho	TIO	Mot	Clu	Val	Ser	LVC	Ser	Ser!	Ser	Gln	
			vaı	Pne	116	тут	-10	ire	Mec	GIU	vai	-5	БуБ	DCI	001	001	1	
M>	87	-15	AAA	3 3 CD	CCA	7 7 7		$C \lambda \lambda$	CTA	מידי מ	ΔΤΔ	-	ααα	GAG	AAG	ттс	_	379
	89	GAA	Lys	AAI	Clar	Luc	C117	Clu	Val	Tla	Tle	Pro	LVS	Glu	Lvs	Phe	Trp	
		GIU	гуѕ	ASII	GIY	ьуѕ	GIY	Giu	val	10	110	110	215	014	15		1	
	91	7 7 C	ATA	m C m	N.C.C	CCT	CCC	CAC	GC A		TGG	AAC	CGA	GAG		GAG	AAG	427
	93	AAG	Ile	COX	Thr	Dro	Dro	Glu	Δla	Tur	Trn	Asn	Ara	Glu	Gln	Glu	Lvs	
	94	LуS	116	20	1111	PIO	FIO	Giu	25	111	1 - P	11011		30			-1 -	
	93	CTC	AAC		CAG	тъс	ΔΔα	CCC		CTG	AGC	ATG	CTG	ACC	AAC	CAG	ACG	475
	9/	TAU	Asn	Ara	Gln	Tyr	Asn	Pro	Tle	Leu	Ser	Met	Leu	Thr	Asn	Gln	Thr	
	99	пец	35	nig	0111	- 1 -		40					45					
	101	l GG0	G GAG	GCG	GGC	AGG	CTO		AAT	ATA	AGC	CAI	CTG	AAC	TAC	TGC	GAA	523
	102	2 G1	y Glu	Ala	Glv	Arq	Lei	ı Ser	Asn	Ile	Ser	His	Leu	Asn	Tyr	Cys	Glu	
		3 50			1	· · · J	5.5					60)				65	
	105	5 CC	r GAC	CTG	AGG	GTC	ACC	TCG	GTG	GTT	ACG	GG1	rtt 1	AAC	AAC	TTG	CCG	571
	106	5 Pro	o Asp	Let	ı Arq	Val	Thi	s Ser	Val	. Val	Thr	Gly	y Phe	Asn	Asn	Leu	Pro	
	107	7				70)				75	5				80		
	109	GA(C AGA	TTI	AAA 1	GAC	TT	r CTG	CTG	TAT	TTC	AGA	A TGC	CGC	AAT	TAT	TCA	619
	110) As	o Arg	Phe	e Lys	Asp	Phe	e Leu	Leu	туз	Let	ı Arg	g Cys	Arg	Asn	Tyr	Ser	
	111	1			85					9 (95			
	113	3 CT	G CTI	ATA	A GAT	CAG	CCC	G GAT	AAG	TGI	GCF	A AAG	G AAA	CCT	TTC	TTG	TTG	667
	114	4 Le	u Leu	Ile	e Asp	Glr	n Pro	o Asp	Lys	СУ	s Ala	a Lys	s Lys			Leu	Leu	
	115	5		100)				105					110				715
	117	7 CT	G GCG	AT)	r AAG	TCC	CTO	C ACI	CCA	CA	TTI	r GC	C AGA	AGG	CAA	GCA	ATC	715
	118	B Le	u Ala	ı Ile	e Lys	Sei	: Le			His	s Phe	e Ala			GIN	Ата	Ile	
	119	9	115	<u> </u>				120					125			ama	omc.	763
	123	1 CG	G GAA	TCC	TGG	GGC	CAZ	A GAA	AGC	AAC	GCE	A GG(J AAC	CAA	ACG	GTG	Unl	/63
			g Glu	ı Sei	r Trp	Gl3			Sei	ASI	n Ala			ı Gin	ı ınr	Val	. Val	
	12	3 13	0				13			~~		140				CCC	145	811
	12	5 CG.	A GTC	TTC	CTG	CTC	GGG	C CAG	ACE	A CCC	J CCA	A GAG	GAC	AAC	LAC	D~c	GAC	011
			g Val	Phe	e Leu			y Glr	ı Tnı	rPro			u AS	ASI	HIS	160	ASP	
	12	7				150					155		a an	י מי	CAC			859
	12	9 CT	T TCF	A GAT	r ATC	CTC	AA.	A 1111	GAC	AG:	r GAU	AA	o CAC	CAB	AGAC	. T10	CTT	037
			u Ser	Ası			ı Ly:	s Phe	e GIU			л г.	S HIS	s G⊥I	1 ASP	116	Leu	
	13	1			165)		a	n more	170		or many	c mc	ר כיתי			GTG	907
	13	3 AT	G TGC	AA(TAC	AGI	A GA	L ACI	. TT(TT(AA(- II	G 10.	r CIU	TVO	Cli	GTG Val	207
	13	4 Me	t Trp	ASI	n Tyr	Arg	J AS	p Tni	. Pne	: PN	= ASI	т ге	u se.	. net	, шуб	G I L	ı Val	

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Input Set : N:\Crf3\RULE60\09972912.raw Output Set: N:\CRF3\01142002\I972912.raw

			100					105					190				
135	a ma	on on on	180	AGG	maa	C ITE N	N C T	185	TCC	тсс	CCA	GAC		GAG	ттт	GTT	955
13/	CTG	TTT	CTC	Arg	T ~~~	GIA	AGI	Thr	Cor	Cvc	Dro	Acn	Thr	Glu	Dhe	Val	, , ,
	Leu		Leu	Arg	пр	val	200	1111	Ser	Cys	FIO	205	1 111	Olu	1 11.0	, 41	
139	mmc	195	CCC	GAT	CAC	CAT		மார	стс	ΔΔ C	ACC		CAC	ΑΤС	CTG	AAT	1003
141	TIC	AAG	666	Asp	JAD	ACD	Ual	Dho	U = 1	Acn	Thr	Hie	His	Tle	Leu	Asn	2000
		Lys	Gly	ASP	ASP	215	Val	rne	vai	ASII	220	1115	IIIJ	110	LCu	225	
143		mmc	3 3 CC	AGT	mo mo av		1 1 C	N C C	א א א	CCC		САТ	СТС	TTC	ΔΤΔ		1051
				Ser													
	TAL	ьeu	ASII	ser	230	ser	цуз	TIII	цуз	235	цуз	пор	Lea	1	240	01 1	
147	C A III	C TO C	N TO C	CAC		ССТ	CCA	ССТ	СУТ		СΔТ	ΔΔG	AAG	CTG	-	TAC	1099
149	AAD	U 1 1	TIO	His	Ven	λla	Glv	Dro	His	Δra	Asn	LVS	LVS	Leu	Lvs	Tvr	
	ASP	vai	TTE	245	ASII	AIG	GIY	110	250	1119	110 P	270	ביום	255	272	-1-	
151	m a C	א ידי כי	CCA	GAA	CTT	CTT	ТΔС	тст		СТС	TAC	CCA	CCC		GCA	GGG	1147
				Glu													
155	ıyı	116	260	Giu	Val	Vai	1 1 1	265		Lea	-1-	110	270	- 1 -		1	
	CCA	ccc		TTC	СТС	ТΑС	TCC		CAC	CTG	GCC	CTG		CTG	TAC	CAT	1195
150	Cly	Glv	Glv	Phe	T.eu	Tyr	Ser	Glv	His	Leu	Ala	Leu	Arq	Leu	Tyr	His	
159	Gry	275	Gry	THE	пса	- 1 -	280	UI I				285	,		-		
	λTC		GAC	CAG	GTC	CAT		TAC	CCC	АТТ	GAT		GTT	TAT	ACT	GGA	1243
				Gln													
163		1111	nsp	0111	,	295	200	-1-			300	-		-		305	
		TGC	Стт	CAG	ААА		GGC	СТС	GTT	CCA		AAA	CAC	AAA	GGC	TTC	1291
166	Met	Cve	Leu	Gln	Lvs	Leu	Glv	Leu	Val	Pro	Glu	Lvs	His	Lys	Gly	Phe	
167	ricc	CYD	пси	01	310	204	011			315		2		•	320		
	AGG	ACA	ттт	GAT		GAG	GAG	AAA	AAC		AAT	AAC	ATC	TGC	TCC	TAT	1339
170	Ara	Thr	Phe	Asp	Tle	Glu	Glu	Lvs	Asn	Lvs	Asn	Asn	Ile	Cys	Ser	Tyr	
171	1119	1111	1 110	325	110	0_4		-1-	330	_1 -				335		-	
	GTA	GAT	CTG	ATG	TTA	GTA	CAT	AGT	AGA	AAA	CCT	CAA	GAG	ATG	ATT	GAT	1387
				Met													
175		1	340					345	_	_			350				
	ATT	TGG	TCT	CAG	TTG	CAG	AGT	GCT	CAT	TTA	AAA	TGC	TAA	ATAA	GAT		1433
				Gln													
179		355					360					365					
181	ACA	AACT	CAA	TTTT	GCAT	AG A	AAGG'	TGTA:	r TT	TGAA'	TAGT	TCC	CATG	ΓTG	TGTT	CTCACA	1493
183	TTA	GAGT	AAT	TTCT	TAT	ra a	ACCA!	TGAA	TA A	TGCC'	TTTA	TGA	GTGA'	TAC	CCAT'	ITGAGG	1553
																TTTTAA	1613
187	TTT	TATT	GGA	TGAT	ATGG	CA G	GATG	ATTG	G TT	CTGA	TCTT	ACC	GGCT.	AGT	GGTC.	TTTTTA	1673
189	AAA	AAAC'	ΓTG	TACC	CTCT	TA T	CTGA	AATC	C TG	TTTC	TGGA	ATT'	TGGC	CAT	TTTA.	AGTGAT	1733
191	TTT	GTTT	GCC	CTCT	rcta'	TA A	TATT	CCTA	CTT	CCCA	TAAT	AAT	GACT	GAT	TTAT'	TTGTAA	1793
193	TTC	AGGT	TTA	TATA	AACC'	ra T	TGGC'	TACA	A AG	ACTT	TGTT	AAA	CATT.	ATC	CAGT	GGTTTT	1853
																TAGAAA	1913
197	ACT	GAAA'	TTT	CAGT	rgtc.	AG T	TGTG	GAAT'	r ca	GTTT	TTCA	ATT	GTGG.	AAA	TTTC	CTGCCA	1973
																GACACT	2033
201	CAT	CTAA	TTT	ATCT'	TGTT	GT G	ATGT	TATG	G TC.	ATAA	TAAG	GAG.	AAAG.	AGG	GTTT.	AATTTT	2093
203	TCT	TGTA	TTT	GGTT'	TCCT	GG T	GGTA	TCAT	A GT	GTAA	TTTT	AGT.	ATTT	GAA	AATC	AGTGTG	2153
205	ATT	CCTT	AAT	GGCC.	AACT	GA A	GATT	GAAT'	I GC	CGCT	AACA	ACC.	ATAT	CGT	GTTA	GTGAAT	2213
																AGTTAC	2273
209	AGA	CTTT	TGC	ATAG.	ATGG	тт т	GTCA	ATTTA	A AA	ATTC	CAGA	TTA	TATT	ATT	GCCA	TATTTT	2333

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PATENT APPLICATION: US/09/972,912

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Input Set : N:\Crf3\RULE60\09972912.raw Output Set: N:\CRF3\01142002\I972912.raw

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																CTCTT		153
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	7 TTAAATGTTA AGGTGTAACA TATGTTAAAT AAAACTGTTA TTTTTGAATT TTAAAATTTG 9 TTTTTTGGGG GTATGAACTA CTAGAGTTTA AAATTCTGCC AAACTATTAC TTATATGTAC															573		
																		533
																ATCAGA		593
223	TGGC	SATAC	CTG (GGAT	TAT	AA A	CAAT	GAA <i>I</i>	A TAP	AAGC	CACT	GTAI	TTTT	TAA A	AA		27	745
226	(2)	INF	RMA	NOIT	FOR	SEQ	ID i	10: 2	2:									
228		(i)	SEC	QUENC	CE CE	IARAC	CTER	ISTIC	CS:									
229				•					acio	ls								
230			•	•			no ac											
231							line											
233																		
235									SEQ :									
		Ser	Val	Gly	Arg	Arg	Arg		Lys	Leu	Leu	Gly		Leu	Met	Met		
	-32		- 30					-25					-20					
240	Ala	Asn	Val	Phe	Ile	Tyr	Phe	Ile	Met	Glu	Val		Lys	Ser	Ser	Ser		
241		-15					-10					- 5						
243	Gln	Glu	Lys	Asn	Gly	Lys	Gly	Glu	Val	Ile	Ile	Pro	Lys	Glu	Lys	Phe		
244	1				5					10					15	_		
246	Trp	Lys	Ile	Ser	Thr	Pro	Pro	Glu	Ala	Tyr	Trp	Asn	Arg		Gln	Glu		
247				20					25					30				
249	Lys	Leu	Asn	Arg	Gln	Tyr	Asn	Pro	Ile	Leu	Ser	Met		Thr	Asn	Gln		
250			35					40					45					
252	Thr	Gly	Glu	Ala	Gly	Arg		Ser	Asn	Ile	Ser	His	Leu	Asn	Tyr	Cys		
253		50					55					60						
255	Glu	Pro	Asp	Leu	Arg	Val	Thr	Ser	Val	Val		Gly	Phe	Asn	Asn			
	65					70					75					80		
	Pro	Asp	Arg	Phe	Lys	Asp	Phe	Leu	Leu		Leu	Arg	Cys	Arg	Asn	Tyr		
259					85					90					95	_		
	Ser	Leu	Leu		Asp	Gln	Pro	Asp		Cys	Ala	Lys	Lys		Phe	Leu		
262				100					105				_	110				
	Leu	Leu		Ile	Lys	Ser	Leu		Pro	His	Phe	Ala		Arg	Gln	Ala		
265			115					120	_	_	- 1	~ 1	125	~ 1		**- 1		
	Ile	_	Glu	Ser	Trp	Gly		Glu	Ser	Asn	Ala		Asn	GIn	Thr	Val		
268		130			_	_	135	3	1	_	_	140		•	77.1 m	D		
		Arg	Val	Phe	Leu		GIY	GIn	Thr	Pro		GIU	Asp	Asn	His			
271	145		_	_		150	_	-1	a 1	_	155	•	77.2 -	a 1	3	160		
	Asp	Leu	Ser	Asp		Leu	Lys	Phe	Glu		Glu	Lys	HlS	Gin	Asp	11e		
274					165		_	_,		170	_	_	_		175	a 1 .		
	Leu	Met	Trp		Tyr	Arg	Asp	Thr		Phe	Asn	Leu	ser		Lys	GIU		
277				180		_		_	185	-	~	_	_	190	01	Dl		
	Val	Leu		Leu	Arg	Trp	Val		Thr	Ser	Cys	Pro		Thr	Glu	Pne		
280			195		_	_	_	200	-1		_	1	205	** 1 =	- 1.	T		
	Val		Lys	Gly	Asp	Asp		val	Phe	val	Asn		HlS	HlS	Ile	Leu		
283	_	210	_	_	_	_	215	_	m.1	-		220		.	D1	т1 -		
		Tyr	Leu	Asn	Ser		ser	Lys	Thr	ьys		ьys	Asp	ьeu	Phe			
	225	_				230		<i>a</i> 3			235		.	T	.	240		
288	Gly	Asp	Va⊥	Пе	His	Asn	Ala	Gly	Pro	H1S	arg	Asp	гàг	гÄг	Leu	ьys		

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289					245					250						255			
291	Tyr	Tyr	Ile	Pro	Glu	Val	Val	Tyr	Ser	Gly	Leu	Tyr	Pr	O I	Pro	Tyr	Ala	1	
292				260					265						270		_		
294	Gly	Gly	Gly	Gly	Phe	Leu	Tyr	Ser	Gly	His	Leu	Ala	Le	u A	Arg	Leu	Туі	-	
295			275					280					28				_		
297	His	Ile	Thr	Asp	Gln	Val	His	Leu	Tyr	Pro	Ile	Asp	As	p 1	Val	Tyr	Thi	_	
298		290					295					300							
300	Gly	Met	Cys	Leu	Gln	Lys	Leu	Gly	Leu	Val	Pro	Glu	Lу	s I	His	Lys	GIZ	7	
301	305					310					315						320)	
303	Phe	Arg	Thr	Phe	Asp	Ile	Glu	Glu	Lys	Asn	Lys	Asn	As	n :	Ile	Cys	Sei	r	
304					325					330						335			
306	Tyr	Val	Asp	Leu	Met	Leu	Val	His	Ser	Arg	Lys	Pro	G1	n (Glu	Met	Ile	9	
307				340					345					,	350				
309	Asp	Ile	Trp	Ser	Gln	Leu	Gln	Ser	Ala	His	Let	Lys	Су	S					
310	-		355					360					36	5					
312	(2)	INF	ORMA!	ron	FOR	SEQ	ID N	10: 3	3:										
314	` '				CE CE														
315		,			ENGTI					ds									
316			(1	3) T	YPE:	amir	o ac	cid											
317					TRANI				Rel	evan	t								
318			(1	D) T	OPOL	GY:	line	ear											
320		(ii) MO	LECU:	LE T	PE:	prot	ein											
325		(xi	SE	OUEN	CE DI	ESCRI	PTIC	N: S	SEQ	ID N	0: 3	3:							
327		Gl	n Sei	r Ly	s His	s Arg	J Lys	s Lei	ı Le	u Le	u Ai	rg Cy	s I	eu	Leu	ı Va	1 L	eu	Pro
328		1				5					10)					1.	5	
330		Lei	ı Il	e Le	u Lei	ı Val	Asp	туз	r Cy	s Gl	y Le	eu Le	eu T	hr	His	s Le	u H	is	Glu
331					20					25						30			
333		Le	u As	n Ph	e Gl	ı Arç	y His	s Phe	e Hi	s Ty	r Pi	co Le	eu <i>P</i>	sn	Ası	As	р Т	hr	Gly
334				35					40						45				
336		Se	r Gl	y Se	r Ala	a Sei	s Sei	c Gly	y Le	u As	p Ly	ys Pl	ne A	lla	ТУ	r Le	u A	rg	Val
337			50					55					6	50					
339		Pr	o Se	r Ph	e Th	r Ala	a Glu	ı Va	l Pr	o Va	1 A	sp Gi	ln I	ro	Ala	a Ar	g L	eu	Thr
340		65					70					7:	5						80
342		Me	t Le	u Il	e Ly	s Se	r Ala	a Val	l Gl	y As	n Se	er A:	cg A	Arg	Ar	g Gl	u A	la	Ile
343						85					90)					9	5	
345		Ar	g Ar	g Th	r Tr	p Gl	у Туз	r Gl	u Gl	y Ar	g Pl	ne Se	er A	Asp	Va.	l Hi	s L	eu	Arg
346					10	0				10	5					11	0		
348		Ar	g Va	l Ph	e Le	u Lei	ı Gl	y Thi	r Al	a Gl	u A	sp S	er (Glu	. Ly:	s As	рV	al	Ala
349				11	5				12						12			_	
351		Tr	p Gl	u Se	r Ar	g Gli	ı His	s Gl	y As	p Il	e L	eu G	ln A	Ala	As	p Ph	e T	hr	Asp
352			13	0				13						140					
354		Al	а Ту	r Ph	e As	n As	n Thi	r Le	u Ly	s Th	ır M	et L	eu (Gly	Me	t Ar	g T	rp	Ala
355		14	5				150	0				1	55						160
357		Se	r Gl	u Gl	n Ph	e As	n Ar	g Se	r Gl	u Ph	ne T	yr L	eu 1	Phe	. Va	l As	p A	sp	Asp
358						16	5				1	70					1	75	
360		Ty	r Ty	r Va	l Se	r Al	a Ly	s As	n Va	1 Le	eu L	ys P	he 1	Leu	Gl	y Ar	g G	1у	Arg
361					18	0				18	35					19	0		
363		Gl	n Se	r Hi	s Gl	n Pr	o Gl	u Le	u Le	u Ph	ne A	la G	ly 1	His	: Va	l Ph	ie G	ln	Thr
364				19					20						20	5			

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/972,912

DATE: 01/14/2002 TIME: 09:53:03

Input Set : N:\Crf3\RULE60\09972912.raw
Output Set: N:\CRF3\01142002\I972912.raw

L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]

L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:] L:83 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1

L:87 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1